15/1/01 15/1/05/1202

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Nobbe et al. GROUP:  FILED: CASE NO.: CS11202  ENTITLED: Method And Apparatus For A Near-Unity Divider In A Direct Conversion Communication Device  INFORMATION DISCLOSURE STATEMENT (IDS)  Assistant Commissioner For Patents Washington, D.C. 20231  SIR:  In accordance with 37 C.F.R. §1.56 and in compliance with 37 C.F.R. §§1.97 and 1.98, the references list on attached Form PTO/SB/08 and/or subsequently identified herein, are being submitted herewith for considerate by the United States Patent and Trademark Office.  1. COPIES  a. A legible copy of (i) each U.S. and foreign patents; (ii) each publication or that portion who caused it to be listed; and (iii) all other information or that portion which caused it to be listed included herewith.  b. Any patents, publications or other information which are listed on Form PTO/SB/08 which are enclosed herewith were previously cited by or submitted to the PTO in one of the follow applications which has been relied upon for an earlier filing date under 35 U.S.C. §120:  U.S. Serial Number  U.S. Filing Date  II. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)  a. Except as may be indicated below in (b) of this section, all of the patents, publications or other information are in the English language (concise explanation not required).  b. A concise explanation of the relevance of all patents, publications or other information listed to is not in the English language is as follows:  c. The following additional information is provided for the Examiner's consideration:  III. CROSS REFERENCE TO RELATED APPLICATION(S)  The Examiner is advised that the following co-pending applications to the Examiner's attention Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. §122.					80	8
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<ul> <li>I. COPIES <ul> <li>a.</li></ul></li></ul>	on attacl	hed Form	PTO/SB/08 and/or subsequently identified herein, a	re being submitted	herewith for consideration	on
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## **FEES**

IV. 🔀	THIS IL	OS IS BEING FILED UNDER 37 C.F.K. §1.97(d): (check one box)								
	a. 🛛	within three months of the filing date of a national application (37 C.F.R. §1.97(b)(1)). No fee or								
		statement is required.								
	b. 🗌	within three months of the date of entry of the national stage as set forth in § 1.491 in an								
		international application (37 C.F.R. §1.97(b)(2)). No fee or statement is required.								
	c. 🔲	before the mailing date of a first Office Action on the merits (37 C.F.R. §1.97(b)(3)). No fee or								
		statement is required. In the event that a first Office Action on the merits has been issued, please								
		consider this IDS under 37 C.F.R. §1.97(c) and see the statement under 37 C.F.R. §1.97(e)								
		provided below, or if no statement has been made, charge deposit account 13-4771 the fee set forth								
		in 37 C.F.R. §1.17(p).								
v. 🗆	THIS II	OS IS BEING FILED UNDER 37 C.F.R. §1.97(c): (check one box)								
	before t	he mailing date of either a Final Office Action under 37 C.F.R. §1.113 (See 37 C.F.R. §1.97(c)), or								
	a Notice	e of Allowance under 37 C.F.R. §1.311 (See 37 C.F.R. §1.97(c)).								
	a. 🔲	No statement; therefore, charge deposit account 13-4771 the fee set forth in 37 C.F.R. §1.17(p).								
	b. 🔲	See the statement below. No fee is required.								
VI. 🔲	THIS IDS IS BEING FILED UNDER 37 C.F.R. §1.97(d):									
	on or be	on or before payment of the issue fee and is accompanied by the following:								
	1)	a statement under 37 C.F.R. §1.97(e) as provided below;								
	2)	Applicant(s) hereby a petition for consideration of this information disclosure statement; and								
	3)	charge deposit account 13-4771 the petition fee set forth in §1.17(i).								
VII.		ent under 37 C.F.R. §1.97(e) (check only one box) dersigned hereby states that								
	a. 🔲	each item of information contained in the IDS was cited in a communication from a foreign Patent								
		Office is a counterpart foreign application not more than three months prior to the filing of IDS; or								
	b. 🔲	no item of information contained in the IDS was cited in a communication from a foreign Patent								
		Office in a counterpart foreign application, and to knowledge of the person signing the statement								
		after making reasonable inquiry, no item of information contained in the IDS was known to any								
		individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this								
		statement, or								
	c.	some of the items of information contained in the IDS were cited in a communication from a								
		foreign Patent Office. As to this information, the undersigned states that each item of information								
		contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart								
		foreign application not more than three months prior to the filing of this IDS. As to the remaining								

information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement.

VIII.	PAYME	ENT OF FEES (check one box)					
		A check in the amount of is enclosed for the above-identified fee(s).					
		Please charge Deposit Account No. 13-4768 in the amount of \$240.00 for the above-indicated					
		fee(s).					
	$\boxtimes$	If Applicant has overlooked any additional fees, or if any overpayment has been made, the					
		Commissioner is hereby authorized to credit or debit Deposit Account No. 13-4768.					
		Two Copies of this paper are attached for Deposit Account charges and debits.					
	It is Ap	plicants' opinion that the claims presently on file patently distinguish the present invention from					
each of	these re	ferences. The above references are being cited only in the interests of candor and without any					
admissi	on that th	ney constitute statutory prior art or contain matter which anticipates the invention or which would					
render t	he same	obvious, either singly or in a combination, to a person or ordinary skill in the art.					
	mined tha	xaminer has any questions concerning this IDS, he/she is requested to contact the undersigned. If it at this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the					
proper	rule (with	a petition if necessary) and charge the appropriate fee to Deposit Account No. 13-4768.					
		Respectfully submitted, Nobbe et al.					
		11-09-01					
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Enclosu	ures:	<ul> <li>▶ PTO/SB/08</li> <li>▶ References</li> <li>□ Foreign Search Report</li> <li>□ Other:</li> </ul>					

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				Application Number		0-1
<b>INFORM</b>	ATION DISC	LOSURE		Filing Date	11/09/2001	7.1
STATEM	ENT BY APP	LICANT		First Named Inventor	Dan Nobbe	
01711				Group Art Unit		
(use as mar	ny sheets as nec	essary)		Examiner Name		
Sheet	1	of	1	Attorney Docket Number	CS11202	

_			U. S	S. PATENT DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Number Code <sup>2</sup>	Document Kind (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		6,297,703		Martin et al.	10-02-2001	
		6,281,712		Martin et al.	08-28-2001	
		6,016,422		Bartusiak	01-18-2000	
		5,983,081		Lehtinen	11-09-1999	
		5,953,641		Auvray	09-14-1999	
		5,375,258		Gillig	12-20-1994	
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	FOREIGN PATENT DOCUMENTS									
Examiner	Cite	Foreign Patent Document			Name of Patentee or	Date of	Pages, Columns, Lines,	T		
Initials*	No. 1	Office <sup>3</sup> Code <sup>2</sup>	Number <sup>4</sup>	Kind	Applicant of Cited Document	Publication of Cited Document	Where Relevant Passages or Relevant			
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Examiner	Date	
Signature	Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.